Register Number……

M.TECH. DEGREE EXAMINATIONS: DECEMBER 2009

First Semester

APPAREL TECHNOLOGY AND MANAGEMENT

FTY601: Computer Integrated Apparel Manufacture

Time: Three Hours **Maximum Marks: 100**

Answer All the Questions:-

PART A (10 x 2 = 20 Marks)

1. What is E-Proto typing?
2. Define texture mapping.
3. State the Kubelka Munk theory.
4. What does Delta E value interpret?
5. What are the functions of a digitizer?
6. List out the advantages of using a grade rule table.
7. What are the steps involved in the production of computer controlled embroidery machine?
8. List the type of data retrieved in UPS.
9. What are the specialties of a workstation in unit production systems?
10. Define cross docking.

PART B (5 x 16 = 80 Marks)

11. (a) Explore the functionalities of computer aided fabric design software.

(OR)

(b) Elucidate on the features of an image processing system which is engaged in fabric and seam defect checking.

12. (a) Narrate the color computation technique involved in a spectrophotometer.

(OR)

(b) Give a detailed account on the computerized instrumental color matching software.

13. (a) Elaborate on the modules of Computer Aided Pattern Designing software.

(OR)

(b) How does the graphical interface of the software help in the following?

(i) Grading patterns

(ii) Achieving better marker efficiency

14. (a) (i) Discuss on the various types of computer controlled embroidery machines.

(ii) What features of sewing can a computer control and influence?

(OR)

(b) (i) Explain the features of a computer controlled cutting machine

(ii) How does cut order planning software help in achieving efficient cutting

15. (a) Discuss the application of computer in automatic storage, handling, tracing and retrieval of merchandise in a garment industry.

(OR)

(b) Elucidate the various features of an ERP package.

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